



JOB DESCRIPTION

Position Title: **Technician**

Work Area: **Traffic Engineering**

Class Code: 5604
2002

Non-Exempt

EEO Code: 03

Effective Date: August 30,

Major Function

Technical work in data collection, analysis and assembly of traffic related data for use in traffic operations and safety studies and enhancement projects.

Essential Functions

Note: These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is a logical assignment to the position.

Compiles and analyzes traffic data for signal warrants, multi-way stop studies, speed studies, crash analysis, ball bank indicator studies and vehicle classification studies. Assists in preparing drawings and plans for inclusion in the report.

Investigates reported traffic concerns and reviews field conditions and prepares a draft condition report. Reviews historical data and determines the need for additional traffic data.

Reviews night accident reports to identify areas for the installation of streetlights. Prioritizes recommends installation of streetlights and performs follow-up review to ensure streetlights are functional.

Performs AM and PM peak hour turning movement studies at intersections throughout the County. Generates computer reports from the data collected and provides input and recommendations on observations during study for circulation and safety enhancement projects.

Completes intersection diagram and photographs all approaches to document existing signal/markings, and roadway conditions. Completes travel time and delay studies to document existing roadway level of service.

Summarizes and plots crash data to identify and document crash patterns and provide recommendations for recommendations for improvements to prevent future crashes. Performs ball bank indicator studies to review existing roadway curvature in an effort to insure the existing roadway warning signs are applicable. Investigates and documents all fatal traffic crashes.

Prepares condition diagrams and construction drawings using manual and computer aided methods for various traffic projects and improvements.

Reviews public sidewalk installation requests for enhanced circulation and safety of pedestrians.

Prepares corresponds with various governmental and private agencies to exchange traffic data, including traffic counts, crash reports, and roadway levels of service.

Performs other duties as assigned or as may be necessary.



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Minimum Qualifications

Extensive knowledge of mathematics and use of computers and calculating equipment. Knowledge of traffic data collection methodology and equipment. Knowledge of statistical analysis principles and practices.

Ability to complete field reviews and generate sign/markings/signal work orders to address concerns and traffic conditions. Ability to accurately present data results in a tabular and graphical form. Ability to communicate effectively in written and oral form with the general public and various reporting agencies as necessary. Ability to set and retrieve traffic counts weighing up to thirty (30) pounds from roadways throughout Seminole County.

High School Diploma or GED and three (3) years' responsible experience in traffic engineering work to include a background in sign/markings and signal related areas.

Must possess and maintain a valid Florida Driver's License.

Must possess an IMSA Work Zone Safety Certificate or obtain same within six (6) months of employment.

Must possess an IMSA Level I Sign & Markings Certificate or obtain same within eight (8) months of employment.

Must have an IMSA Level II Sign & Marking Certificate or have the ability to acquire within twelve (12) months of employment.

A comparable amount of education, training, or experience may be substituted for the minimum qualifications.

Working Conditions

The normal work environment for this position includes technical work performed in the field and in an office area. Incumbents perform duties that include lifting, standing, stooping, sitting, walking over construction areas, and working in adverse weather conditions. Ability to maintain good physical condition sufficient to satisfactorily perform job duties and to walk on uneven surfaces.

